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› Bose A20 Aviation Headset Instruction Manual

Bose 324843-3020

Bose A20 Aviation Headset Instruction Manual

Model: 324843-3020 | Brand: Bose

1. INTRODUCTION

The Bose A20 Aviation Headset is engineered to enhance the flying experience. It offers superior noise reduction, clear audio with active equalization, and exceptional comfort for extended use. This manual provides comprehensive instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance of your headset.



Figure 1: Bose A20 Aviation Headset with Dual Plug Cable.

2. SETUP

Before first use, ensure the headset is properly set up and fitted for comfort and optimal performance.

2.1 Unboxing and Initial Inspection

Upon receiving your Bose A20 Aviation Headset, carefully unbox all components and inspect for any signs of damage. The package typically includes the headset, control module, dual plug cable, and a carrying case.



Figure 2: Contents of the Bose A20 Aviation Headset package, including the headset, control module, cables, and carrying case.

Your browser does not support the video tag.

Video 1: Official unboxing of the Bose A20 Aviation Headset, demonstrating the contents and initial presentation.

2.2 Battery Installation

The control module requires two AA batteries (included). To install, open the battery compartment on the control module, insert the batteries according to the polarity indicators, and close the compartment securely.

2.3 Headset Adjustment and Fit

Adjust the headband for a comfortable and secure fit. The earcups should fully enclose your ears to maximize noise reduction. The microphone boom can be rotated to either the left or right earcup, depending on your preference. Position the microphone approximately one inch from your mouth for clear communication.



Figure 3: Proper wearing and microphone positioning of the Bose A20 headset in a cockpit environment.

3. OPERATING INSTRUCTIONS

The Bose A20 headset is designed for intuitive operation. Simply plug it in, turn it on, and begin flying.

3.1 Powering On/Off and Active Noise Cancellation

Press the power button on the control module to turn the headset on. The active noise cancellation (ANC) feature will automatically engage, providing significant reduction in ambient noise. To power off, press and hold the power button until the indicator light turns off.



Figure 4: The control module of the Bose A20 headset, showing connectivity options.

3.2 Bluetooth Connectivity

The A20 headset features a Bluetooth audio and communications interface. Press the Bluetooth button on the control module to activate pairing mode. Connect your smartphone, tablet, or other compatible device to stream audio or make calls. The headset allows for customizable audio prioritization, enabling you to mute an audio signal when receiving a communication or mix the two together.



Figure 5: Close-up of the control module, highlighting the power and Bluetooth buttons.

3.3 Audio Prioritization Control

The control module includes a switch for audio prioritization:

- **MUTE:** Mutes secondary audio sources when intercom audio is active.
- **MIX:** Allows secondary audio sources to be heard mixed with intercom audio.
- **OFF:** Disables secondary audio.

Adjust the volume for each earcup (left and right) independently using the dedicated controls on the module to suit your listening preferences.

4. MAINTENANCE

Proper maintenance ensures the longevity and performance of your Bose A20 headset.

4.1 Cleaning

Wipe the headset and control module with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners. Ensure the earcup cushions are clean and free from debris.

4.2 Microphone Boom Cover Replacement

If the microphone foam cover becomes worn or damaged, it can be easily replaced. Gently slide off the old cover and slide on a new one, ensuring a snug fit. An O-ring may be used to secure the foam cover in place.

5. TROUBLESHOOTING

If you encounter issues with your Bose A20 headset, refer to the following common troubleshooting steps:

- **No Audio/Intermittent Audio:**
 - Check battery levels in the control module. Replace if low.
 - Ensure all plugs are fully inserted into the aircraft's audio jacks.
 - Verify the headset is powered on and active noise cancellation is engaged.
- **Poor Noise Cancellation:**
 - Ensure earcups are properly sealed around your ears. Adjust fit if necessary.
 - Check for any damage to the earcup cushions or seals.
- **Bluetooth Pairing Issues:**
 - Ensure the headset is in pairing mode (blue indicator light flashing).
 - Disable and re-enable Bluetooth on your device.
 - Forget the device from your device's Bluetooth settings and attempt to re-pair.
- **Microphone Not Transmitting:**
 - Check microphone boom position and ensure it's securely connected to the earcup.
 - Verify the microphone is not muted on the control module or aircraft intercom system.

6. SPECIFICATIONS

Feature	Detail
Model Name	A20 Headset
Connectivity Technology	RF, Bluetooth
Headphones Jack	Dual Plug
Noise Control	Active Noise Cancellation
Battery Life	Approx. 45 Hours (with 2 AA batteries)
Item Weight	2.37 Pounds
Product Dimensions	10.85 x 7.15 x 6.15 inches
Included Components	Headset, Control Module, Cable, Carrying Case

7. WARRANTY AND SUPPORT

Bose provides a 5-year warranty for the A20 Aviation Headset. For detailed warranty information, technical support, or service requests, please refer to the official Bose website or contact their customer service. A user manual in PDF format is also available

for download from the product's Amazon page for more in-depth information.
Official User Manual (PDF): [Download Here](#)

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question